

Unit 6 Lesson 4B practice

Solve each equation on the interval $[0, 2\pi)$

1. $2\sin^2 x - \sin x - 1 = 0$

2. $2\cos^2 x + 3\cos x + 1 = 0$

3. $2\sin^2 x = \sin x + 3$

4. $\sec^2 x - 2 = 0$

5. $\tan x \cos x + \tan x - \cos x - 1 = 0$

6. $\sin x = -2\sin x \cos x$

7. $\cot x \tan x = -\cot x$